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OM nucleic - nucleic search, using sw model.

Run on: September 5, 2002, 13:01:12 ; Search time 94.24 seconds
 (without alignments)
 2687.268 Million cell updates/sec

Title: US-09-665-728-2
 Perfect score: 1031
 Sequence: 1 tcttagcgaacccttcggcc.....agcccggtcagccgc 1031
 Scoring table: IDENTITY_NUC
 Gapop 10.0 , Gapext 1.0

Searched: 383533 seqs, 122816752 residues

Total number of hits satisfying chosen parameters: 767066

Minimum DB seq length: 0
 Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
 Maximum Match 100%
 Listing first 45 summaries

Database : Issued Patents NA:*

1: /cgn2_6/ptodata/2/ina/5A_COMB.seq:*

2: /cgn2_6/ptodata/2/ina/5B_COMB.seq:*

3: /cgn2_6/ptodata/2/ina/6A_COMB.seq:*

4: /cgn2_6/ptodata/2/ina/6B_COMB.seq:*

5: /cgn2_5/ptodata/2/ina/FCUTS_COMB.seq:*

6: /cgn2_6/ptodata/2/ina/Backfillseq1.seq:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match Length	DB ID	Description
1	50.4	4.9	2398	1 US-08-425-069-1
2	50.4	4.9	2338	2 US-08-312-8441-1
3	41.2	4.0	1185	3 US-09-023-339-3
4	41.2	4.0	1260	3 US-09-023-173-5
5	41.2	4.0	1308	3 US-09-023-173-10
6	41.2	4.0	1308	3 US-09-023-339-6
7	40.2	3.9	2214	1 US-08-864-038A-1
8	40.2	3.9	3331	3 US-08-864-038A-2
9	40.2	3.9	3331	3 US-08-864-038A-4
10	39.6	3.8	2502	1 US-08-073-384C-7
11	39.6	3.8	2502	1 US-08-254-359A-7
12	39.6	3.8	2502	1 US-08-483-043-7
13	39.6	3.8	2502	1 US-08-481-238-7
14	39.6	3.8	2502	2 US-08-471-066B-7
15	39.6	3.8	2502	2 US-08-484-956-7
16	39.6	3.8	2502	2 US-08-575-653-7
17	39.6	3.8	2502	2 US-08-599-491-7
18	39.6	3.8	2502	2 US-08-876-386-7
19	39.6	3.8	2502	2 US-08-823-516-7
20	39.6	3.8	2502	3 US-08-682-853A-7
21	39.6	3.8	2502	3 US-08-759-038-7
22	39.6	3.8	2502	4 US-08-759-314-7
23	39.6	3.8	2502	4 US-09-350-309-7
24	38.8	3.8	1929	4 US-09-380-420C-1
25	38.6	3.7	1598	1 US-08-211-682-24
26	38.4	3.7	2451	1 US-08-282-141-1
27	3.7			US-08-425-069-3

ALIGNMENTS

RESULT 1
 US-08-425-069-1
 Sequence 1, Application US/08425069
 ; Patent No. 5728810
 GENERAL INFORMATION:
 APPLICANT: Lewis, Randolph V.
 APPLICANT: Xu, Ming
 APPLICANT: Hinman, Michael B.
 TIME OF INVENTION: ISOLATED DNA CODING FOR SPIDER SILK
 TITLE OF INVENTION: PROTEIN, A REPLICABLE VECTOR AND A TRANSFORMED CELL
 NUMBER OF SEQUENCES: 69
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Birch, Stewart, Kolasch & Birch
 STREET: 301 No. 5728810th Washington Street
 CITY: Falls Church
 STATE: Virginia
 COUNTRY: U.S.A.
 ZIP: 22046

COMPUTER READABLE FORM:
 COMPUTER TYPE: FLOPPY disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: PatentIn Release #1.0, version #1.25
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/425,069
 FILING DATE: 19-APR-1995
 CLASSIFICATION: 435
 ATTORNEY/AGENT INFORMATION:
 NAME: Murphy Jr., Gerald M
 REGISTRATION NUMBER: 28,977
 REFERENCE/DOCKET NUMBER: 1447-106P
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (703) 205-8000
 TELEFAX: (703) 205-8050
 TELE:
 INFORMATION FOR SEQ ID NO: 1:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 2338 base pairs
 TYPE: nucleic acid
 STRANDEDNESS: single
 TOPOLOGY: linear
 MOLECULE TYPE: cDNA
 HYPOTHETICAL: NO
 ORIGINAL SOURCE:
 ORGANISM: Nephila clavipes
 FEATURE:
 NAME/KEY: CDS
 LOCATION: 1..2154
 OTHER INFORMATION: /product= "Nephila clavipes
 Sequence 3, Appli

OTHER INFORMATION: "dragline silk protein"

PUBLICATION INFORMATION:

AUTHORS: Xu, Ming

TITLE: Structure of a protein superfiber: Spider

JOURNAL: Proc. Natl. Acad. Sci. U.S.A.

VOLUME: 87

PAGES: 7120-7124

DATE: Sept.-1990

RELEVANT RESIDUES IN SEQ ID NO: 1: FROM 1 TO 2338

US-08-425-069-1

TELEFAX: (703) 241-2848

TELEX: 248345

INFORMATION FOR SEQ ID NO: 1:

SEQUENCE CHARACTERISTICS:

LENGTH: 2338 base pairs

STRANDEDNESS: single

TYPE: nucleic acid

TOPOLOGY: linear

MOLECULE TYPE: cDNA

HYPOTHETICAL: NO

ORIGINAL SOURCE:

ORGANISM: *Nephila clavipes*

FEATURE:

NAME/KEY: CDS

LOCATION: 1..2154

OTHER INFORMATION: /product= "Nephila clavipes

OTHER INFORMATION: dragline silk protein"

PUBLICATION INFORMATION:

AUTHORS: Xu, Ming

TITLE: Structure of a protein superfiber: Spider

JOURNAL: Proc. Natl. Acad. Sci. U.S.A.

VOLUME: 87

PAGES: 7120-7124

DATE: Sept.-1990

RELEVANT RESIDUES IN SEQ ID NO: 1: FROM 1 TO 2338

US-08-317-844B-1

RESULT

2

Sequence 1, Application US/0831784B

; General Information:

; Patent No. 599894

; Sequence 1, Application US/0831784B

; General Information:

; Patent No. 599894

; Sequence 1, Application US/0831784B

; General Information:

; Patent No. 599894

; Sequence 1, Application US/0831784B

; General Information:

; Patent No. 599894

; Sequence 1, Application US/0831784B

; General Information:

; Patent No. 599894

; Sequence 1, Application US/0831784B

; General Information:

; Patent No. 599894

; Sequence 1, Application US/0831784B

; General Information:

; Patent No. 599894

; Sequence 1, Application US/0831784B

; General Information:

; Patent No. 599894

; Sequence 1, Application US/0831784B

; General Information:

; Patent No. 599894

; Sequence 1, Application US/0831784B

; General Information:

; Patent No. 599894

; Sequence 1, Application US/0831784B

; General Information:

; Patent No. 599894

; Sequence 1, Application US/0831784B

; General Information:

; Patent No. 599894

; Sequence 1, Application US/0831784B

; General Information:

; Patent No. 599894

; Sequence 1, Application US/0831784B

; General Information:

; Patent No. 599894

; Sequence 1, Application US/0831784B

RESULT

3

Sequence 3, Application US/09023339

; General Information:

; Patent No. 6127145

MEDIUM TYPE: DISKETTE
 COMPUTER: IBM Compatible
 OPERATING SYSTEM: DOS
 SOFTWARE: FASTSEQ for Windows Version 2.0
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/09/023, 339
 FILING DATE: 13-FEB-1998
 PRIORITY APPLICATION DATA:
 APPLICATION NUMBER: 60/037, 991
 FILING DATE: 13-FEB-1997
 ATTORNEY/AGENT INFORMATION:
 NAME: Petithory, Joanne R.
 REGISTRATION NUMBER: P42,955
 REFERENCE/DOCKET NUMBER: 0665-0003, 30
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: 650-324-0980
 TELEFAX: 650-324-0960
 INFORMATION FOR SEQ ID NO: 3:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 1185 base pairs
 TYPE: nucleic acid
 STRANDEDNESS: single
 TOPOLOGY: linear
 IMMEDIATE SOURCE:
 CLONE: codon-optimized AAT coding sequence
 US-09-023-339-3

Query Match 4.0%; Score 41.2; DB 3; Length 1185;
 Best Local Similarity 47.6%; Pred. No. 0.61; Mismatches 0; Indels 0; Gaps 0;
 Matches 121; Conservative 0; Mismatches 133; Indels 0; Gaps 0;

Qy 464 cattaaggctggccatggagggtggcaaccggcggtgccttcatactacgtttctcgatgc 523
 Db 684 CATCCAGCACTGCKAGAAGCTCTCAGCTGGTCTCCATGAGTACCTGGGAACGC 743
 Qy 524 cctggcccaaggacaccacaaaggaaatgagcttgcgtggctcgatgtggaaacgtc 583
 Db 744 CACGCCATCTCTCTCTGGCGGAGGGCAACTCCAGCACCTGGAGAACGAGCTGAC 803
 Qy 584 gcaagggttttcgtgtctggactggggactgggtggccaccacccgtgtccatggc 643
 Db 804 GCACGACATCATCGAAGATCCGGAGACAGAGACAGCGCCCGGGTACCT 863
 Qy 644 ttttgaggatccctccaccatctctggccaaatgttccatgtggacaaggcaggat 703
 Db 864 CCCGAGCTGAGCATCACCGCAGCTACGACCTGAAGAGGGCTGGCCAGCTGGCAT 923
 Qy 704 gtcggagggtttaa 717
 Db 924 CACGAAGGTCTCA 937

Query Match 4.0%; Score 41.2; DB 3; Length 1260;
 Best Local Similarity 47.6%; Pred. No. 0.62; Mismatches 0; Indels 0; Gaps 0;
 Matches 121; Conservative 0; Mismatches 133; Indels 0; Gaps 0;
 Qy 464 catcaaggctggccatggagggtggcaaccggcggtgccttcatactacgtttctcgatgc 523
 Db 759 CATCCAGCACTGCKAGAAGCTCTCAGCTGGTCTCCATGAGTACCTGGGAACGC 818
 Qy 524 cctggcccaaggacaccacaaaggaaatgagcttgcgtggctcgatgtggaaacgtc 583
 Db 819 CACGCCATCTCTCTCTGGCGGAGGGCAACTCCAGCACCTGGAGAACGAGCTGAC 878
 Qy 584 gcaagggttttcgtgtctggactggggactgggtggccaccacccgtgtccatggc 643
 Db 879 GCACGACATCATCGAAGATCCGGAGACAGAGACAGCGCCCGGGTACCT 938
 Qy 644 ttttgaggatccctccaccatctctggccaaatgttccatgtggacaaggcaggat 703
 Db 939 CCCGAGCTGAGCATCACCGCAGCTACGACCTGAAGAGGGCTGGCCAGCTGGCAT 998
 Qy 704 gtcggagggtttaa 717
 Db 999 CACGAAGGTCTCA 1012

RESULT 4
 US-09-023-173-5
 Sequence 5, Application US/09023173
 Patent No. 6066781
 GENERAL INFORMATION:
 APPLICANT: Sutliff, Thomas D.
 APPLICANT: Rodriguez, Raymond L.
 TITLE OF INVENTION: Production of Mature Proteins
 TITLE OF INVENTION: Production of Mature Proteins
 NUMBER OF SEQUENCES: 23
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Dehlinger & Associates
 STREET: 350 Cambridge Ave., Suite 250
 CITY: Palo Alto
 STATE: CA
 COUNTRY: USA
 ZIP: 94306
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Diskette
 COMPUTER: IBM Compatible
 OPERATING SYSTEM: DOS

OPERATING SYSTEM: DOS
 SOFTWARE: FASTSEQ for Windows Version 2.0
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/09/023, 173
 FILING DATE: 13-FEB-1998
 CLASSIFICATION: 435
 PRIORITY APPLICATION DATA:
 APPLICATION NUMBER: 60/038, 168
 FILING DATE: 13-FEB-1997
 ATTORNEY/AGENT INFORMATION:
 NAME: Petithory, Joanne R.
 REGISTRATION NUMBER: P42955
 REFERENCE/DOCKET NUMBER: 0665-0007.30
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: 650-324-0980
 TELEFAX: 650-324-0960
 INFORMATION FOR SEQ ID NO: 5:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 1260 base pairs
 TYPE: nucleic acid
 STRANDEDNESS: single
 TOPOLOGY: linear
 IMMEDIATE SOURCE:
 CLONE: codon-optimized Rmny3D signal-mature AAT
 US-09-023-173-5

RESULT 5
 US-09-023-173-10
 Sequence 10, Application US/09023173
 Patent No. 6066781
 GENERAL INFORMATION:
 APPLICANT: Sutliff, Thomas D.
 APPLICANT: Rodriguez, Raymond L.
 TITLE OF INVENTION: Production of Mature Proteins
 TITLE OF INVENTION: Production of Mature Proteins
 NUMBER OF SEQUENCES: 23
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Dehlinger & Associates
 STREET: 350 Cambridge Ave., Suite 250
 CITY: Palo Alto
 STATE: CA
 COUNTRY: USA
 ZIP: 94306
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Diskette
 COMPUTER: IBM Compatible
 OPERATING SYSTEM: DOS

APPLICATION NUMBER: US/08/864,038A
 FILING DATE: May 28, 1997
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: JP 8-184459
 FILING DATE: 15-JULY-1996

ATTORNEY/AGENT INFORMATION:
 NAME: C. Bruce Hamburg
 REGISTRATION NUMBER: 22,389
 REFERENCE/DOCKET NUMBER: F-5610
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (212)986-2340
 TELEFAX: (212)953-7733

INFORMATION FOR SEQ ID NO: 1:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 2214
 TYPE: nucleic acid
 STRANDEDNESS: double
 TOPOLOGY: linear
 ORIGINAL SOURCE:
 ORGANISM: *Pinctada fucata*
 CELL TYPE: mantle epithelial cell
 US-08-864-038A-1

Query Match 3.9%; Score 40.2; DB 3; Length 2214;
 Best Local Similarity 51.4%; Pred. No. 1,2; Mismatches 88; Indels 0; Gaps 0;
 Matches 93; Conservative 0; MisMatches 88; Indels 0; Gaps 0;
 Qy 553 agcttcgtcagctccgtcagtcgtggactggggact 612
 Db 717 AGCCGAGCCCTGCGCCGCTGAGGAGGCAAGTGGACTGGGGACTCGGGCGG 776
 Qy 613 gcggtgaccgcacccacccgtggacttggaggatccctccaccgtctg 672
 Db 777 ACTGGAGACTCGGGCGGACTTGGAGGCTTGGCTGGCGCTGGAGGATA 836
 Qy 673 gccaatgttccaggcggacaaggcggagggtttaaatgggtggatccg 732
 Db 837 TGGAGATCTGCTGGCCGCTGCTGCGCCGCTGGAGGTGGAGGACT 896
 Qy 733 c 733
 Db 897 c 897

RESULT 8
 US-08-864-038A-2
 Sequence 2, Application US/08864038A
 Patent No. 6001592
 GENERAL INFORMATION:
 APPLICANT: Kunio NAKASHIMA et al.
 TITLE OF INVENTION: NOVEL POLYPEPTIDE GENE CDNA, VECTOR
 TITLE OF INVENTION: CONTAINING SAID CDNA, HOST CELLS TRANSFORMED WITH SAID
 TITLE OF INVENTION: VECTOR, POLYPEPTIDE PRODUCED THEREBY, METHOD OF PRODUCING
 TITLE OF INVENTION: SAID POLYPEPTIDE, DNA ENCODING SAID POLYPEPTIDE AND ANTIBODY
 NUMBER OF SEQUENCES: 4
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: 812-5 Hirano
 STREET: Isshinoden
 CITY: Tsu-city
 STATE: Mie prefecture
 COUNTRY: JAPAN
 ZIP: 514-01

COMPUTER READABLE FORM:
 MEDIUM TYPE: Diskette, 3.50 inch, 1.44 MB storage
 COMPUTER: IBM Compatible
 OPERATING SYSTEM: Microsoft Windows 95
 SOFTWARE: Word Perfect 6.1

CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/864,038A
 FILING DATE: May 28, 1997
 PRIOR APPLICATION DATA:

APPLICATION NUMBER: JP 8-184459
 FILING DATE: 15-JULY-1996
 ATTORNEY/AGENT INFORMATION:
 NAME: C. Bruce Hamburg
 REGISTRATION NUMBER: 22,389
 REFERENCE/DOCKET NUMBER: F-5610
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (212)986-2340
 TELEFAX: (212)953-7733

INFORMATION FOR SEQ ID NO: 2:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 3331
 TYPE: nucleic acid
 STRANDEDNESS: double
 TOPOLOGY: linear
 MOLECULE TYPE: cDNA to mRNA
 ORIGINAL SOURCE:
 ORGANISM: *Pinctada fucata*
 CELL TYPE: mantle epithelial cell
 FEATURE: mRNA
 LOCATION: from 1 to 3331
 IDENTIFICATION METHOD: E (by experiment)
 US-08-864-038A-2

Query Match 3.9%; Score 40.2; DB 3; Length 3331;
 Best Local Similarity 51.4%; Pred. No. 1,3; Mismatches 88; Indels 0; Gaps 0;
 Matches 93; Conservative 0; MisMatches 88; Indels 0; Gaps 0;
 Qy 553 agcttcgtcagctccgtcagtcgtggactggggact 612
 Db 766 AGCCGAGCCCTGCGCCGCTGAGGAGGCAAGTGGACTGGGGACTCGGGCGG 825
 Qy 613 gcggtgaccgcacccacccgtggacttggaggatccctccaccgtctg 672
 Db 826 ACTGGAGACTCGGGCGGACTTGGAGGCTTGGCTGGCGCTGGAGGATA 885
 Qy 673 gccaatgttccaggcggacaaggcggagggtttaaatgggtggatccg 732
 Db 886 TGGAGATCTGCTGGCCGCTGCTGCGCCGCTGCTGGAGGTGGAGGACT 945
 Qy 733 c 733
 Db 946 c 946

RESULT 9
 US-08-864-038A-4
 Sequence 4, Application US/08864038A
 Patent No. 6001592
 GENERAL INFORMATION:
 APPLICANT: Kunio NAKASHIMA et al.
 TITLE OF INVENTION: NOVEL POLYPEPTIDE GENE CDNA, VECTOR
 TITLE OF INVENTION: CONTAINING SAID CDNA, HOST CELLS TRANSFORMED WITH SAID
 TITLE OF INVENTION: VECTOR, POLYPEPTIDE PRODUCED THEREBY, METHOD OF PRODUCING
 TITLE OF INVENTION: SAID POLYPEPTIDE, DNA ENCODING SAID POLYPEPTIDE AND ANTIBODY
 NUMBER OF SEQUENCES: 4
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: 812-5 Hirano
 STREET: Isshinoden
 CITY: Tsu-city
 STATE: Mie-prefecture
 COUNTRY: JAPAN
 ZIP: 514-01

COMPUTER READABLE FORM:
 MEDIUM TYPE: Diskette, 3.50 inch, 1.44 MB storage
 COMPUTER: IBM Compatible
 OPERATING SYSTEM: Microsoft Windows 95
 SOFTWARE: Word Perfect 6.1

CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/864,038A
 FILING DATE: May 28, 1997
 PRIOR APPLICATION DATA:

APPLICATION NUMBER: JP 8-184459
 FILING DATE: 15-JULY-1996
 ATTORNEY/AGENT INFORMATION:
 NAME: C. Bruce Hamburg
 REGISTRATION NUMBER: 22,389
 REFERENCE/DOCKET NUMBER: F-5610
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (212)986-2340
 TELEFAX: (212)953-7733

INFORMATION FOR SEQ ID NO: 2:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 3331
 TYPE: nucleic acid
 STRANDEDNESS: double
 TOPOLOGY: linear
 MOLECULE TYPE: cDNA to mRNA
 ORIGINAL SOURCE:
 ORGANISM: *Pinctada fucata*
 CELL TYPE: mantle epithelial cell
 FEATURE: mRNA
 LOCATION: from 1 to 3331
 IDENTIFICATION METHOD: E (by experiment)

US-08-864-038A-2

TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)

US-08-481-238-7

Query Match 3.8%; Score 39.6; DB 1; Length 2502;
Best Local Similarity 47.4%; Pred. No. 1.7; Mismatches 0; Indels 0; Gaps 0;
Matches 108; Conservative 0; Mismatches 120; Indels 0; Gaps 0;
QY 179 gagaaacgttcccccggccacagagagacccacccatggcgttcgtatgtcacgg 238
Db 888 GGAGGCCCCCTGGCCCCGGAAAGGGCTTCCTGGGCTTGTCTTCCCCCCCCGA 947
QY 239 ctccatgtggacatctgtatgcgggtatcggaggcgctcggcattctggcg 298
Db 948 GCCCCATGTCGCCCCGCTTCCTGGGCTTCAGGGAGGCCCTCCACCGGC 1007
QY 299 tctgagcagccgcggccgggtatcccaactatggctgtgtttccacgaccaga 358
Db 1008 ACCAGAGCCCTTANAGGCCCTNAGGACCTNAAGAGGGCGGGGNCTCTCGCAAGGA 1067
QY 359 catttgcggcgtggcccttacggcgccggaccatgtgtttcagagaga 406
Db 1068 CCTGGCCGTTGCCCCCTGAGGGAGGCCCTNAGCCTCNITGCCGGGA 1115

RESULT 14

US-08-471-066B-7

Sequence 7, Application US/08471066B
Patent No. 5837450

GENERAL INFORMATION:

APPLICANT: Dahlberg, James E.

APPLICANT: Lyamichev, Victor I.

APPLICANT: Brow, Mary Ann D.

TITLE OF INVENTION: 5' Nucleases Derived From Thermostable

NUMBER OF INVENTION: DNA Polymerase

CORRESPONDENCE ADDRESS:

ADDRESSEE: Medien & Carroll, LLP

STREET: 220 Montgomery Street, Suite 2200

CITY: San Francisco

STATE: California

COUNTRY: United States of America

ZIP: 94104

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30

CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08471,066B
FILING DATE: 06-JUN-1995

CLASSIFICATION:
435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/254, 359
FILING DATE: 06-JUN-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/073, 384
FILING DATE: 04-JUN-1993
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/986, 330
FILING DATE: 07-DEC-1992

ATTORNEY/AGENT INFORMATION:
NAME: Ingolia, Diane E.
REGISTRATION NUMBER: 40,027
REFERENCE/DOCKET NUMBER: FORS-01800
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 705-8410
TELEFAX: (415) 397-0338
INFORMATION FOR SEQ ID NO: 7:
SEQUENCE CHARACTERISTICS:

LENGTH: 2502 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)

US-08-471-066B-7

Query Match 3.8%; Score 39.6; DB 2; Length 2502;
Best Local Similarity 47.4%; Pred. No. 1.7; Mismatches 0; Indels 0; Gaps 0;
Matches 108; Conservative 0; Mismatches 120; Indels 0; Gaps 0;
QY 179 gaagacgttcccccggccacagggacccatctggcgttcgtatgtcacgg 238
Db 888 GGAGGCCCCCTGGCCCCGGAAAGGGCTTCCTGGGCTTGTCTTCCCCCCCCGA 947
QY 239 ctccatgtggacatctgtatgcgggtatcggaggcgctcggcattctggcg 298
Db 948 GCCCCATGTCGCCCCGCTTCCTGGGCTTCAGGGAGGCCCTCCACCGGC 1007
QY 299 tctgagcagccgcggccgggtatcccaactatggctgtgtttccacgaccaga 358
Db 1008 ACCAGAGCCCTTANAGGCCCTNAGGACCTNAAGAGGGCGGGGNCTCTCGCAAGGA 1067
QY 359 catttgcggcgtggcccttacggcgccggaccatgtgtttcagagaga 406
Db 1068 CCTGGCCGTTGCCCCCTGAGGGAGGCCCTNAGCCTCNITGCCGGGA 1115

RESULT 15

US-08-484-956-7
Sequence 7, Application US/08484956
Patent No. 5843654

GENERAL INFORMATION:

APPLICANT: Dahlberg, James E.

APPLICANT: LYAMICHEV, VICTOR I.

APPLICANT: BROW, MARY ANN D.

APPLICANT: OLDBURG, MARY C.

APPLICANT: HEISLER, LAURA

TITLE OF INVENTION: DETECTION OF p53 MUTATIONS

NUMBER OF SEQUENCES: 114

CORRESPONDENCE ADDRESS:

ADDRESSEE: Haversstock, Medien & Carroll

STREET: 220 MONTGOMERY STREET, SUITE 2200

CITY: SAN FRANCISCO

STATE: CALIFORNIA

COUNTRY: UNITED STATES OF AMERICA

ZIP: 94104

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.125

CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/484, 956
FILING DATE: 04-JUN-1994

CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/337, 164
FILING DATE: 09-NOV-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/402, 601
FILING DATE: 09-MAR-1995

PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/073, 384
FILING DATE: 04-JUN-1993
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/986, 330
FILING DATE: 07-DEC-1992

ATTORNEY/AGENT INFORMATION:
NAME: Ingolia, Diane E.
REGISTRATION NUMBER: 40,027
REFERENCE/DOCKET NUMBER: FORS-01800
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 705-8410
TELEFAX: (415) 397-0338
INFORMATION FOR SEQ ID NO: 7:
SEQUENCE CHARACTERISTICS:

NAME: CARRROLL, PETER G.
REGISTRATION NUMBER: 32,837
REFERENCE/DOCKET NUMBER: FORS-01801
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 705-8410
TELEFAX: (415) 397-8338
INFORMATION FOR SEQ ID NO: 7:
SEQUENCE CHARACTERISTICS:
LENGTH: 2502 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLogy: linear
MOLECULE TYPE: DNA (genomic)
US-08-484-956-7

Query	Match	Similarity	Score	DB	Length
QY	179	gaagacgcgtgcacccgcacagagacccacatggcgtttttatgtgcacgg	3.8%	47.4%	2502
Db	888	GGGccccccGGccccGGAGGGCCTTCCGGCTTTCCTTCCCTTCCCCGGAA			947
QY	239	ctccatgtggacatctgtatggatgtggatgtggatgtggatgtggatgtgg			238
Db	948	GCCATGTTGGCCGAGCTTCGGCCGGCCGGCCGGCCGGCCGGCCGGCC			1007
QY	299	tcttagcggccgcggccatcgccaaatcgatgtggatgtgtgtttccacggcc			358
Db	1008	ACGACCCCTTANGGCCCTAAGGACCTTAAAGGGGCGGGGAGCTCTGCCAAGGA			1067
QY	359	cattggcccaatgtggccatggccatggccatggccatggccatggccatgg			406
Db	1068	CCGGCCGTTGGCCCTGAGGAGGCCCTGACCTCNCCCCGGGA			1115

Search completed: September 5, 2002, 13:13:05
Job time: 713 sec

GenCore version 4.5
Copyright (c) 1993 - 2000 Compugen Ltd.

OM nucleic - nucleic search, using sw model
Run on: September 5, 2002, 13:13:05 ; Search time 94.24 Seconds
(without alignments)

US-09-665-728-2_COPY_96_920
Perfect score: 825
Sequence: 1 atgacgcttagggcagct.....ctccctctctatgcaagac 825

Scoring table: IDENTITY_NUC
GapOp 10.0 , Gapext 1.0

Searched: 38533 seqs, 122816752 residues

Total number of hits satisfying chosen parameters: 767066

Minimum DB seq length: 0
Maximum DB seq length: 0

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Issued_Patents_NA:
1: /cgn2_6/ptodata/2/ina/5A_COMB.seq: *
2: /cgn2_6/ptodata/2/ina/5B_COMB.seq: *
3: /cgn2_6/ptodata/2/ina/6A_COMB.seq: *
4: /cgn2_6/ptodata/2/ina/6B_COMB.seq: *
5: /cgn2_6/ptodata/2/ina/PC05_COMB.seq: *
6: /cgn2_6/ptodata/2/ina/backfiles1.seq: *

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query	Length	DB ID	Description
1	50.4	6.1	2338	1 US-08-425-069-1	Sequence 1, Appli
2	50.4	6.1	2338	2 US-08-317-84B-1	Sequence 1, Appli
3	41.2	5.0	1185	3 US-09-023-339-3	Sequence 3, Appli
4	41.2	5.0	1260	3 US-09-023-173-5	Sequence 5, Appli
5	41.2	5.0	1308	3 US-09-023-173-10	Sequence 10, Appli
6	41.2	5.0	1308	3 US-09-023-339-6	Sequence 6, Appli
7	40.2	4.9	2214	3 US-08-864-038A-1	Sequence 1, Appli
8	40.2	4.9	3331	3 US-08-864-038A-2	Sequence 2, Appli
9	40.2	4.9	3331	3 US-08-864-038A-4	Sequence 4, Appli
10	39.6	4.8	2502	1 US-07-384C-7	Sequence 7, Appli
11	39.6	4.8	2502	1 US-08-234-339A-7	Sequence 7, Appli
12	39.6	4.8	2502	1 US-08-483-041-7	Sequence 7, Appli
13	39.6	4.8	2502	1 US-08-481-238-7	Sequence 7, Appli
14	39.6	4.8	2502	2 US-08-471-06B-7	Sequence 2, Appli
15	39.6	4.8	2502	2 US-08-784-955-7	Sequence 7, Appli
16	39.6	4.8	2502	2 US-08-757-655-7	Sequence 7, Appli
17	39.6	4.8	2502	2 US-08-559-491-7	Sequence 7, Appli
18	39.6	4.8	2502	2 US-08-756-389-7	Sequence 7, Appli
19	39.6	4.8	2502	2 US-08-823-516-7	Sequence 7, Appli
20	39.6	4.8	2502	3 US-08-602-855A-7	Sequence 7, Appli
21	39.6	4.8	2502	3 US-08-759-031-7	Sequence 7, Appli
22	39.6	4.8	2502	2 US-08-758-314-7	Sequence 7, Appli
23	39.6	4.8	2502	4 US-09-360-309-7	Sequence 7, Appli
24	38.8	4.7	1929	4 US-09-310-420C-1	Sequence 1, Appli
25	38.6	4.7	1598	1 US-211-682-24	Sequence 24, Appli
26	38.2	4.6	1995	1 US-08-425-069-3	Sequence 3, Appli
27	4.6			US-08-317-84B-3	Sequence 3, Appli

ALIGNMENTS

RESULT 1
US-08-425-069-1
; Sequence 1, Application US/08425069
; Patient No. 5728810
GENERAL INFORMATION:
; APPLICANT: Lewis, Randolph V.
; APPLICANT: Xu, Ming
; APPLICANT: Hinman, Michael B.
; TITLE OF INVENTION: ISOLATED DNA CODING FOR SPIDER SILK
; TITLE OF INVENTION: PROTEIN, A REPLICABLE VECTOR AND A TRANSFORMED CELL
; TITLE OF INVENTION: CONTAINING THE ISOLATED DNA, AND PRODUCTS THEREOF
; NUMBER OF SEQUENCES: 69
CORRESPONDENCE ADDRESS:
; ADDRESSEE: Birch, Stewart, Kolasch & Birch
; STREET: 301 No. 5728810th Washington Street
; CITY: Falls Church
; STATE: Virginia
; COUNTRY: U.S.A.
; ZIP: 22046
COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-POS/MS DOS
; SOFTWARE: Patientin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US-08/425,069
; FILING DATE: 19-APR-1995
; CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
; NAME: Murphy Jr., Gerald M
; REGISTRATION NUMBER: 28,977
; REFERENCE/DOCKET NUMBER: 1447-106P
TELECOMMUNICATION INFORMATION:
; TELEPHONE: (703) 205-8000
; TELEFAX: (703) 205-8050
; TELEX:
; INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
; LENGTH: 2338 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA
; HYPOTHETICAL: NO
; ORIGINAL SOURCE:
; ORGANISM: Nephilia clavipes
FEATURE:
; NAME/KEY: CDS
; LOCATION: 1..2154
; OTHER INFORMATION: /product= "Nephilia clavipes

OTHER INFORMATION: dragline silk protein"

AUTHORS: Xu, Ming

AUTHORS: Lewis, Randolph V.

TITLE: Structure of a protein superfiber: Spider

JOURNAL: Proc. Natl. Acad. Sci. U.S.A.

VOLUME: 87

PAGES: 7120-7124

DATE: Sept. -1990

RELEVANT RESIDUES IN SEQ ID NO: 1: FROM 1 TO 2338

US-08-425-069-1

Query Match 6.1%; score 50.4; DB 1; Length 2338; Best Local Similarity 49.3%; Pred. No. 0.004; Matches 132; Conservative 0; Mismatches 136; Indels 0; Gaps 0; STRANDBENESS: single

Qy 419 ttcggatggccgtgccaactggactaccacaaagaatgtggactccctcgagctcg 478

Db 459 TCTTGGAAAGCCAAAGGGCAGAGCAGGTGATTAGTGGACAAGGGCAGGGCAGCAGC 518

Qy 479 tgaacgatgtcgagggtgtctcgatgtactggggactcggtacccacccatcg 538

Db 519 AGCAGCAGCCGAGGGCTGGACAAGGGGATACGGTGGCTGGACAGGGTGGCGG 578

Qy 539 gtcacatgggttttggggatcgccctcccgatgttccaaatgtggggatgtggaca 598

Db 579 ACAAGGGAGGTATGGAGGACTTGGAMGCCAAGGGCTGGACAGGGAGGATAGGTGGACA 638

Qy 599 agcacagggtcgagggttaatgtggggatcgccatccggccccaatgggtt 658

Db 639 AGGTGGAGGTGAGCAGCACAGCAGCAGCAGGAGGAGGAGCTAGGTGG 698

Qy 659 atctgtgtgtcgaggatcgaccacaaaggatgg 686

Db 699 ACAAGGTGCTGACAAAGGAGCTGGAGCA 726

RESULT 2

US-08-317-844B-1

; Sequence 1, Application US/08317844B

; Patent No. 5989894

GENERAL INFORMATION:

APPLICANT: Lewis, Randolph V.

APPLICANT: Xu, Ming

APPLICANT: Hinman, Michael B.

TITLE OF INVENTION: ISOLATED DNA CODING FOR SPIDER SILK

TITLE OF INVENTION: PROTEIN, A REPLICABLE VECTOR AND A TRANSFORMED CELL

TITLE OF INVENTION: CONTAINING THE ISOLATED DNA, AND PRODUCTS THEREOF

NUMBER OF SEQUENCES: 62

CORRESPONDENCE ADDRESS:

ADRESSEE: Birch, Stewart, Kolasch & Birch

STREET: 301 No. 598984th Washington Street

CITY: Falls Church

STATE: Virginia

COUNTRY: U.S.A.

ZIP: 22046

COMPUTER READABLE FORM:

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patent Release #1.0, version #1.25

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/317,844B

FILING DATE: 04-OCT-1994

CLASSIFICATION: 435

ATTORNEY/AGENT INFORMATION:

NAME: Mulphy, J.J., Gerald M

REGISTRATION NUMBER: 28,977

REFERENCE/DOCKET NUMBER: 1447-105P

TELECOMMUNICATION INFORMATION:

TELEPHONE: (703) 241-1300

OTHER INFORMATION: dragline silk protein"

TELEFAX: (703) 241-2848

TELEX: 248345

INFORMATION FOR SEQ ID NO: 1:

SEQUENCE CHARACTERISTICS:

LENGTH: 2338 base pairs

TYPE: nucleic acid

TOPOLogy: linear

MOLECULE TYPE: cDNA

HYPOTHETICAL: NO

ORIGINAL SOURCE:

ORGANISM: *Nephilia clavipes*

FEATURE:

NAME/KEY: CDS

LOCATION: 1..2154

OTHER INFORMATION: /product= "Nephilia clavipes"

PUBLICATION INFORMATION:

AUTHORS: Xu, Ming

AUTHORS: Lewis, Randolph V.

TITLE: Structure of a protein superfiber: Spider

JOURNAL: Proc. Natl. Acad. Sci. U.S.A.

PAGES: 7120-7124

DATE: Sept. -1990

RELEVANT RESIDUES IN SEQ ID NO: 1: FROM 1 TO 2338

US-08-317-844B-1

Query Match 6.1%; score 50.4; DB 2; Length 2338; Best Local Similarity 49.3%; Pred. No. 0.004; Matches 132; Conservative 0; Mismatches 136; Indels 0; Gaps 0; STRANDBENESS: single

Qy 419 ttcggatggccgtgccaactggactaccacaaagaatgtggactccctcgagctcg 478

Db 519 AGCAGCAGCCGAGGTGCTGGACAAGGGGATACGGTGGCTGGACAGGGTGGCGAGC 518

Qy 539 gtcacatgggttttggggatcgccatccggccccaatgtggggatgtggaca 598

Db 579 ACAAGGGAGGTATGGAGGACTTGGAMGCCAAGGGCTGGACAGGGAGGATAGGTGGACA 638

Qy 599 agcacagggtcgagggttaatgtggggatcgccatccggccccaatgtggggatgtggaca 658

Db 639 AGGTGGAGGTGAGCAGCACAGCAGCAGGAGGAGGAGCTAGGTGG 698

Qy 659 atctgtgtgtcgaggatcgaccacaaaggatgg 686

Db 699 ACAAGGTGCTGACAAAGGAGCTGGAGCA 726

RESULT 3

US-09-023-339-3

; Sequence 3, Application US/09023339

; Patent No. 6127145

GENERAL INFORMATION:

APPLICANT: Sutliff, Thomas D.

APPLICANT: Rodriguez, Raymond L.

TITLE OF INVENTION: Production of '1-Antitrypsin

TITLE OF INVENTION: In Plants

NUMBER OF SEQUENCES: 22

CORRESPONDENCE ADDRESS:

ADRESSEE: Dehlinger & Associates

STREET: P.O. Box 60850

CITY: Palo Alto

STATE: CA

COUNTRY: USA

ZIP: 94306

COMPUTER READABLE FORM:

US-09-033-333-3

MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FASTSEQ for Windows Version
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/023, 339
FILING DATE: 13-FEB-1988
PRIORITY APPLICATION DATA:
APPLICATION NUMBER: 60/037, 991
FILING DATE: 13-FEB-1987
ATTORNEY/AGENT INFORMATION:
NAME: Petithory, Joanne R
REGISTRATION NUMBER: PA2, 995
REFERENCE/DOCKET NUMBER: 0655-0003.30
TELECOMMUNICATION INFORMATION:
TELEPHONE: 650-324-0880
TELEFAX: 650-324-0960
INFORMATION FOR SEQ ID NO: 3:
SEQUENCE CHARACTERISTICS:
LENGTH: 1185 base Pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
IMMEDIATE SOURCE:
CLONE: codon-optimized NAT coding seq

OPERATING SYSTEM: DOS
SOFTWARE: FASTSEQ FOR Windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/023,173
FILING DATE: 13-FEB-1998
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 60/038,168
FILING DATE: 13-FEB-1997
ATTORNEY/AGENT INFORMATION:
NAME: Petithony, Joanne R
REGISTRATION NUMBER: PP42995
REFERENCE/DOCKET NUMBER: 0605-0007.30
TELECOMMUNICATION INFORMATION:
TELEPHONE: 650-324-0980
TELEFAX: 650-324-0960
INFORMATION FOR SEQ ID NO: 5:
SEQUENCE CHARACTERISTICS:
LENGTH: 1260 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
IMMEDIATE SOURCE:
CLONE: codon-optimized Ramy3D signal-mature AAT
US-09-023-173-5

Query Match	5.0%	Score	41.2;	DB	3;	Length	1185;	
Best Local Similarity	47.5%	pred.	No.	0.47;		Matches		
Matches	121;	Conservative	0;	Mismatches	133;	Indels	0;	Gaps
Qy	369	catacaggccggccggaggttgccacccggcgtcttacgtttctcgatgc	428					0;
Db	684	CATCCAGCAGCTGCAAGAAGCTCCAGCTGGCTGCTCATGAGTRACTCTGGAAAGC	743					
Qy	429	cgcgtccaaagactaccacaaagaatgtggatctcgaaatgtggatgc	488					
Db	744	CACCCCATGCTCTCTGCGGACGGAGAACGCTCCAGCACCTGAGAACGAGCTCAC	803					
Qy	489	gcagggtgtttcgctgtgtggactgcgggtacccgcacccacccgtgttc	548					
Db	804	GCACCACTATCACGAAGTCTGGAGAACCGAGGACAGGCCTCCGCTAGCCTCCACCT	863					
Qy	549	tttttagaaatgcgtccacacgtttgtggcaatgtttcaatgttgcacaa	608					
Db	864	CCCGAAGCTGAGCATTACCGGACCGTACGACTCTGAAGAGCGTGCTGGCCAGCTGGGCA	923					
Qy	609	gtcgagggttttaa	622					
Db	924	CACGAGGTCTCA	937					

INFORMATION FOR SEQ ID NO: 3:
SEQUENCE CHARACTERISTICS:
LENGTH: 1185 base Pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
IMMEDIATE SOURCE:
CLONE: codon-optimized NAT coding sequence
US-09-033-333-3

; IMMEDIATE SOURCE:
; CLONE: codon-optimized Ramy3D signal-mature ATN
; US-09-023-173-5

Sequence 5, Application US/09023173
US 09-023-173
Patent No. 6066781
GENERAL INFORMATION:
APPLICANT: Sutliff, Thomas D.
APPLICANT: Rodriguez, Raymond L.
TITLE OF INVENTION: Production of Mature Proteins
TITLE OF INVENTION: in Plants
NUMBER OF SEQUENCES: 23
CORRESPONDENCE ADDRESS:
ADDRESSEE: Dehlinger & Associates
STREET: 350 Cambridge Ave., Suite 250
CITY: Palo Alto
STATE: CA
COUNTRY: USA
ZIP: 94306
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible

US-09-023-173-10
; Sequence 10, Application US/09023173
;
; PATENT NO. 6066781
; GENERAL INFORMATION:
; APPLICANT: Sutliff, Thomas D.
; APPLICANT: Rodriguez, Raymond L.
; TITLE OF INVENTION: Production of Mature Proteins
; TITLE OF INVENTION: In Plants
; NUMBER OF SEQUENCES: 23
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Dehlinger & Associates
; STREET: 350 Cambridge Ave., Suite 250
; CITY: Palo Alto
; STATE: CA
; COUNTRY: USA
; ZIP: 94305
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS

APPLICATION NUMBER: US/08/864,038A
FILING DATE: MAY 28, 1997
PRIOR APPLICATION DATE:
APPLICATION NUMBER: JP 8-184459
FILING DATE: 15-JULY-1996
ATTORNEY/AGENT INFORMATION:
NAME: C. Bruce Hamburg
REGISTRATION NUMBER: 22,389
REFERENCE/DOCKET NUMBER: F-5610
TELECOMMUNICATION INFORMATION:
TELEPHONE: (212) 980-2340
TELEFAX: (212) 953-7733
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 2214
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
ORIGINAL SOURCE:
ORGANISM: *Pinctada fucata*
CELL TYPE: mantle epithelial cell
US-08-864-038A-1

APPLICATION NUMBER: JP 8-184459
FILING DATE: 15-JULY-1996
ATTORNEY/AGENT INFORMATION:
NAME: C. Bruce Hamburg
REGISTRATION NUMBER: 22,389
REFERENCE/DOCKET NUMBER: F-5610
TELECOMMUNICATION INFORMATION:
TELEPHONE: (212)986-2240
TELEFAX: (212)953-7733
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 3331
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
MOLECULE TYPE: cDNA to mRNA
ORIGINAL SOURCE:
ORGANISM: *Pinctada fucata*
CELL TYPE: mantle epithelial cell
FEATURE: mRNA
LOCATION: from 1 to 331
IDENTIFICATION METHOD: E (by experiment)

Query Match	4.9%; Score 40.2; DB 3; Length 2214; Best Local Similarity 51.4%; Pred. No. 0.92; Matches 93; Conservative 0; Mismatches 88; Indels 0; Gaps 0
QY	458 agcttcgtggacgttcgtggacgtcaagcgtcgccgggtgtgtgtactggggact 517
Db	717 AGCCGCAGCCGCGCTGGCGTCAGGGAGGGCGAGGTGACTTGAGGACTCGGGGG 776
QY	518 gcggtggacccgacccacccgtggctacccgtggctttggagagatccggccaccgtctg 577
Db	777 ACTTGGAGGACTCTGGTGGGGACTCTGGAGGCCCTGGAGGCTCTGGTGGCCCTGGAGGATA 836
QY	578 gccaagggttcccgctggacaaacgacggcggtgtggagggttaaagtgggtggactcg 637
Db	837 TGGAGGACTCTGGCGCTGGCGCTGGCTCTGGCCGCGTGTGGAGGACT 896
QY	638 C 638
Db	897 C 897

Query	Match	Score	DB	Length
Best	Local	Similarity	4.9%	40.2;
Matches	93;	Conservative	51.4%	DB 3;
			Pred.	Length 3331;
			No. 1;	
			Mismatches	
			88;	
			Indels	
			0;	
			Gaps	
Qy	458	agtcctcgaaactccctcgacgtggaaagcgtcgcaagggtggcttcgtgtactggact	517	
Db	766	AGCCGCAGCCGCTGCGAGGAGCAGGGCAGGTGGAGACTGGAGACTCGTGGCG	825	
Qy	518	gggtggacccggccacccgtgtactgtgggttggggatgegttcacccggttcg	577	
Db	826	ACttttGGAGGACTGGGAGGGACTtGAGGAGCTCGAGGAGCTGGAGGATA	885	
Qy	578	ggccaaatgtttccaaatgtggaaacaaacggcggcgggtttaaatgtggatcg	637	
Db	886	TGGAGGATCTGCTGCGAGCCGCTGCTGCTGCTGCGAGGACTTGCGGAGGTGGAGGACT	945	
Qy	638	c	638	
Db	946	C	946	

RESULT : US-08-664-038A-2
Sequence 2, Application US/08864038A
PATENT NO. 6001592
GENERAL INFORMATION:
APPLICANT: Kunio NAKASHIMA et al
TITLE OF INVENTION: NOVEL POLYPEPTIDE GENE cDNA, VECTOR
TITLE OF INVENTION: CONTAINING SAID cDNA, HOST CELLS TRANSFORMED WITH SAID
TITLE OF INVENTION: VECTOR, POLYPEPTIDE PRODUCED THEREBY, METHOD OF PRODUCING
TITLE OF INVENTION: SAID POLYPEPTIDE, DNA ENCODING SAID POLYPEPTIDE AND ANTI BODY
TITLE OF INVENTION: TO SAID POLYPEPTIDE
NUMBER OF SEQUENCES: 4
CORRESPONDENCE ADDRESS:
ADDRESSEE: 812-5 Hirano
STREET: Isehinden
CITY: Tsu-city
STATE: Mie-prefecture
COUNTRY: JAPAN
ZIP: 514-01
COMPUTER REARABLE FORM:
COMPUTER MEDIUM TYPE: Diskette, 3.50 inch, 1.44 MB storage
OPERATING SYSTEM: Microsoft Windows 95
COMPUTER: IBM Compatible
SOFTWARE: Word Perfect 6.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/864, 038A
FILING DATE: May 28, 1997
PRIOR APPLICATION DATA:

US-08-864-038A-4
; Sequence 4, Application US/08864038A
; Patent No. 6001592
GENERAL INFORMATION:
APPLICANT: Kunio NAKASHIMA et al.
TITLE OF INVENTION: NOVEL POLYPEPTIDE GENE cDNA, VECTOR
TITLE OF INVENTION: CONTAINING SAID cDNA, HOST CELLS TRANSFORMED WITH SAID
TITLE OF INVENTION: VECTOR, POLYPEPTIDE PRODUCED THEREBY, METHOD OF PRODUCING
TITLE OF INVENTION: SAID POLYPEPTIDE, DNA ENCODING SAID POLYPEPTIDE AND ANTIBODIES
TITLE OF INVENTION: TO SAID POLYPEPTIDE
NUMBER OF SEQUENCES: 4
CORRESPONDENCE ADDRESS:
ADDRESSEE: 812-5 Hirano
STREET: Isshinden
CITY: Tsu-city
STATE: Mie-prefecture
COUNTRY: JAPAN
ZIP: 514-01
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette, 3.50 inch, 1.44 MB storage
COMPUTER: IBM Compatible
OPERATING SYSTEM: Microsoft Windows 95
SOFTWARE: Word Perfect 6.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/864, 038A
FILING DATE: May 28, 1997

TYPE: nucleic acid
STRANDEDNESS: single
TOPOLogy: linear
MOLECULE TYPE: DNA (genomic)
US-08-481-238-7

Query Match 4.8%; Score 39.6; DB 1; Length 2502;
Best Local Similarity 47.4%; Pred. No. 1.3; Mismatches 0; Gaps 0;
Matches 108; Conservative 0; Indels 0; Gaps 0;
Matches 108; Conservative 0; Mismatches 120; Indels 0; Gaps 0;
Matches 108; Conservative 0; Mismatches 120; Indels 0; Gaps 0;
QY 84 gtagacatgtgcaccccccacaggagacgcgcacccctgtgcgtcgatgtacccgg 143
Db 888 GAGGCCCCCTGGCCCGCCGAGGCCCTGGGCTTGTGCGCTTGTCCCGCCCGA 947
QY 144 ctccatgtggagatgtatcgaaatgtggatcgacggcgctacggatctcgagggcg 203
Db 948 GGCATATGGGGCGAGCTTGTGCCCCGAGGGGGGGGGGGGGGGGGGGGGGG 1007
QY 204 tctgagacggccggcggatcgccaaatcgatgtggatcgatgtccacgacccgg 263
Db 1008 ACCAGACCCCTTGTGGCTTGTAGGGACTTNAAGGAGGTGGGGNCCTCCGGCAAGGA 1067
QY 264 cattggcccgatggaccctcacggggaccggatgtgggtttcgagaga 311
Db 1068 CCTGCCCTTGTGGCTTGTGGGGCTNGACTNTGCCGGGGGA 1115

RESULT 14

US-08-471-066B-7

Sequence 7, Application US/08471066B

Patent No. 583450

GENERAL INFORMATION:

APPLICANT: Dahlberg, James E.
APPLICANT: Lyamichev, Victor I.
APPLICANT: Brow, Mary Ann D.
TITLE OF INVENTION: 5' Nucleases Derived From Thermostable
NUMBER OF SEQUENCES: 40
CORRESPONDENCE ADDRESS:

ADDRESSEE: Medlen & Carroll, LLP
STREET: 220 Montgomery Street, Suite 2200
CITY: San Francisco
STATE: California
COUNTRY: United States of America
ZIP: 94104

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30

CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/471,066B
FILING DATE: 06-JUN-1995
CLASSIFICATION: 435

PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/254,359
FILING DATE: 06-JUN-1994

PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/073,384
FILING DATE: 04-JUN-1993

PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/986,330
FILING DATE: 07-DEC-1992

ATTORNEY/AGENT INFORMATION:
NAME: Ingolia, Diane E.
REGISTRATION NUMBER: 40,027
REFERENCE/DOCKET NUMBER: F0RS-01800

TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 705-8410

TELEFAX: (415) 397-8338

INFORMATION FOR SEQ ID NO: 7:
SEQUENCE CHARACTERISTICS:

LENGTH: 2502 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLogy: linear
MOLECULE TYPE: DNA (genomic)
US-08-471-066B-7

Query Match 4.8%; Score 39.6; DB 2; Length 2502;
Best Local Similarity 47.4%; Pred. No. 1.3; Mismatches 0; Gaps 0;
Matches 108; Conservative 0; Indels 0; Gaps 0;
Matches 108; Conservative 0; Mismatches 120; Indels 0; Gaps 0;
Matches 108; Conservative 0; Mismatches 120; Indels 0; Gaps 0;
QY 84 gtagacatgtgcaccccccacaggagacgcgcacccctgtgcgtcgatgtacccgg 143
Db 888 GAGGCCCCCTGGCCCGCCGAGGCCCTGGGCTTGTGCGCTTGTCCCGCCCGA 947
QY 144 ctccatgtggagatgtatcgaaatcgatgtggatcgatgtccacggatctcgagggcg 203
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QY 204 tctgagacggccggcggatcgccaaatcgatgtggatcgatgtccacgacccgg 263
Db 1008 ACCAGACCCCTTGTGGCTTGTAGGGACTTNAAGGAGGTGGGGNCCTCCGGCAAGGA 1067
QY 264 cattggcccgatggaccctcacggggaccggatgtgggtttcgagaga 311
Db 1068 CCTGCCCTTGTGGCTTGTGGGGCTNGACTNTGCCGGGGGA 1115

RESULT 15

US-08-484-956-7

Sequence 7, Application US/08484956

Patent No. 5841654

GENERAL INFORMATION:

APPLICANT: Dahlberg, James E.
APPLICANT: Lyamichev, Victor I.
APPLICANT: Brow, Mary Ann D.
APPLICANT: Oldenburg, Mary C.

TITLE OF INVENTION: DETECTION OF p53 MUTATIONS
NUMBER OF SEQUENCES: 114
CORRESPONDENCE ADDRESS:

ADDRESSEE: HAVERSTOCK, MEDLEN & CARROLL,
STREET: 220 MONTGOMERY STREET, SUITE 2200
CITY: SAN FRANCISCO
STATE: CALIFORNIA
COUNTRY: UNITED STATES OF AMERICA
ZIP: 94104

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25

CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/484,956
FILING DATE: 06-JUN-1994
CLASSIFICATION: 435

PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/073,384
FILING DATE: 09-NOV-1994

PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/337,164
FILING DATE: 09-MAR-1995

PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/402,601
FILING DATE: 06-JUN-1994

PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/073,384
FILING DATE: 04-JUN-1993

PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/986,330
FILING DATE: 07-DEC-1992

ATTORNEY/AGENT INFORMATION:

NAME: CARROLL, PETER G.
REGISTRATION NUMBER: 32,837
REFERENCE/DOCKET NUMBER: FORS-01801
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 705-8410
TELEFAX: (415) 397-0338
INFORMATION FOR SEQ ID NO: 7:
SEQUENCE CHARACTERISTICS:
LENGTH: 2502 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
US-08-484-956-7

Query Match	Best Local Similarity	Score	DB	Length
Matches 108; Conservative 0;	47.4%;	39.6;	DB 2;	Length 2502;
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Db 888	GGAGGCCCTCTGGCCGGAAAGGGGCTCTGGGGCTTGTGCTTCTTCCGGCCCGA	947		
Qy 144	ctccatgtggacgatgtggcgggtatcgacggcgccctcacqatctggacg	203		
Db 948	GCCCCATCTGGCCGAGGCTCTGGCCGGCCGGCCACGGAGGGCCGGGTTCCACCGGGC	1007		
Qy 204	tctgacggccacgggggtatcgccaaactatgcgttgtgcattttacgaccaga	263		
Db 1008	ACCAGACCCCTTATGGGCTTNAAGGGAACCTNAAGGAGGGGGGGGNCTCTCGCCAAAGGA	1067		
Qy 264	cattggcccaagtggaccctcacggggccacggccatgtgtttcagagaga	311		
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Search completed: September 5, 2002, 13:13:15
Job time: 723 sec

